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1. A magnetic motor comprising:

a plurality of rotor magnets positioned along a rotor attached to a main shaft;

a plurality of drive magnets positioned along a drive magnet hub and located generally inside the rotor;

the drive magnet hub being laterally movable into and out of the inside of the rotor for varying the distance between the rotor magnets and the drive magnets to increase and decrease the magnetic drive force applied to the rotor magnets by the drive magnets and thereby control torque and speed of the shaft.

2. The magnetic motor of claim 1 further comprising a timing assembly for receiving power and generating power pulses selectively supplied to each rotor magnet.

3. The magnetic motor of claim 1 wherein the drive magnet hub is laterally movable by a plunger.

4. The magnetic motor of claim 1 wherein said motor further includes recharge means for said drive magnets comprising a stationary commutator associated with said main shaft and drive magnet recharge brushes in electrical contact with said commutator.

5. The magnetic motor of claim 2 wherein said timing assembly is driven by said main shaft.

6. The magnetic motor of claim 1 wherein said motor further includes a magnetic motor assembly that forms a chamber in which said drive magnets and

said rotor magnets are located and also includes oil supply means to provide cooling oil to said chamber wherein heat is generated during operation of the motor.

11. A magnetic motor comprising:

a plurality of front rotor magnets positioned along a front rotor attached to a main shaft;

a plurality of front drive magnets positioned along a front drive magnet hub and located generally adjacent said front rotor magnets;

said front drive magnet hub being movable with respect to the front rotor magnets for varying the distance between said front rotor magnets and said front drive magnets for increasing and decreasing the drive force applied to said front rotor magnets by said front drive magnets and thereby controlling the torque and speed of said main shaft;

a plurality of rear rotor magnets positioned along a rear rotor attached to said main shaft;

a plurality of rear drive magnets positioned along a rear drive magnet hub and located generally adjacent to said rear rotor magnets;

the rear drive magnet hub being movable corresponding to the movement of said front magnet hub with respect to said rear rotor magnets for varying the distance between said rear rotor magnets and said rear drive magnets for increasing and decreasing the magnetic drive force applied to said rear rotor magnets by said rear drive magnets and thereby controlling torque and speed of said main shaft.

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12. The magnetic motor of claim 11 further comprising a timing assembly for receiving power and generating power pulses selectively supplied to said front and rear rotor magnets.

13. The magnetic motor of claim 11 wherein the front and rear magnet hubs are each movable by a plunger.

14. The magnetic motor of claim 13 wherein each plunger is operated by a hydraulic control mechanism.

15. The magnetic motor of claim 11 wherein the plurality of front and rear drive magnets each have a magnet coil being longitudinally wound around said magnet.

16. The magnetic motor of claim 11 wherein each of the front and rear drive magnets further comprises a pair of recharge plates mounted on opposite poles thereof.

17. A magnetic motor comprising:  
a plurality of rotor magnets positioned along a rotor fixed to a main shaft;

a plurality of drive magnets positioned along a drive magnet hub and located generally adjacent to said rotor magnet;

the drive magnet hub being movable with respect to said rotor magnets for varying the distance between the rotor magnets and the drive magnets for increasing and decreasing the magnetic drive force applied to the rotor magnets by the drive magnets and thereby controlling the torque and speed of said main shaft.

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18. The magnetic motor of claim 17 wherein said motor includes a cooling oil supply means for supplying oil to said rotor magnets and said drive magnets for providing cooling to said magnets during operation of the motor.

19. The magnetic motor of claim 17 wherein the drive magnet hub is movable by a plunger.

20. The magnetic motor of claim 17 wherein said motor further includes recharge means comprising a rotor magnet recharge commutator associated with said shaft, rotor magnet recharge brushes which electrically contact the magnet recharge commutator and conductive means extending from said recharge commutator to recharge plates associated with said rotor magnets.

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